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TITLE: INCUBATION OF MYCORRHIZA-FORMING FUNGI

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ABSTRACT:

PURPOSE: To obtain mycelia of fungi belonging to the genus *Tricholoma*, e.g. matsutake mushrooms, useful for food, readily in large quantities, by incubating the fungi inoculated in a medium containing a starch in a high concentration according to the aeration spinner culture method.

CONSTITUTION: Fungi, e.g. *Tricholoma matsutake* S. Ito IFO30588(FERN-P No. 4758) or *Tricholoma bakamatsutake* Hongo sp. nov. IFO30586 (FERM-P No. 4756), which belong to the genus *Tricholoma*, are incubated in a liquid medium containing 3W/V% of more, preferably 4~10W/V%, of a starch, e.g. rice, wheat, potato, or corn starch, at about 20~27°C and an air flow of 10~150% for 20~60 days, preferably by the submerged aeration spinner culture method to give mycelia and culture comprising the aroma component. The component is then extracted and added to impart the aroma to food.

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